

WEST

Generate Collection

Print

L8: Entry 67 of 91

File: DWPI

Aug 29, 1981

DERWENT-ACC-NO: 1981-74863D

DERWENT-WEEK: 198141

COPYRIGHT 2003 DERWENT INFORMATION LTD

TITLE: Conditioner for heavy clay soil - contains aluminium, ammonium and organic acid ions for improved granulation effect

PRIORITY-DATA: 1980JP-0012763 (February 4, 1980)

PATENT-FAMILY:

| PUB-NO | PUB-DATE | LANGUAGE | PAGES | MAIN-IPC |
|-----------------|-----------------|----------|-------|----------|
| JP 56109281 A ✓ | August 29, 1981 | | 003 | |
| JP 87036077 B | August 5, 1987 | | 000 | |

INT-CL (IPC): C09K 17/00

ABSTRACTED-PUB-NO: JP 56109281A

BASIC-ABSTRACT:

The soil conditioner contains Al ion, NH₄ ion and organic acid ion. Al/organic acid is 0.1-1.5 by mol. The ratio of C from organic acid to N from NH₄ is 5-30. Pref. the mixt. of Al salt of organic acid such as formic, oxalic and citric acids, and ammonium salt of organic or inorganic acid.

A part of Al ion may be replaced with trivalent Fe ion in Al/Fe ratio of below 0.5. The conditioner is usually used in liq. and is applied in 50-800 kgs. as R₂O₃ (R is Al plus Fe) to 10 a. (100 tons) of soil which contains above 25 wt.% of clay particles in the size of below 0.002 mm.

The soil conditioner shows improved granulation effect without decrease in pH of soil and increase in EC.